

01422389 COULTER BROOK NEAR BOVINA CENTER, NY

Upper Delaware Basin
Upper Delaware Subbasin

LOCATION.--Lat 42°14'19", long 74°44'11" referenced to North American Datum of 1927, Delaware County, NY, Hydrologic Unit 02040101, on right bank downstream from culvert on Seedorf Road, 2.5 mi upstream from mouth, and 2.5 mi southeast of Bovina Center.

DRAINAGE AREA.--0.76 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1997 to June 2009 (discontinued).

GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 2,000 ft above NGVD of 1929, from topographic map.

REMARKS.--Records fair except those below 0.50 ft³/s and those for estimated daily discharges, which are poor. Satellite gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, about 95 ft³/s, June 28, 2006, gage height, 2.42 ft, from crest-stage gage, from rating curve extended above 45 ft³/s on basis of flow-through-culvert analysis of peak flow; minimum, no flow part or all of each day Sept. 7-26, 28-29, Oct. 1-7, 2005, Sept. 5, 6, 2008; minimum gage height, 0.32 ft, Sept. 18, 19, 20, Oct. 6, 7, 1998.

EXTREMES FOR CURRENT PERIOD.--October 2008 to June 2009: Peak discharges greater than base discharge of 15 ft³/s and (or) maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec 12	0245	19	1.66
Mar 9	1130	21	1.68
Jun 15	1650	16	1.60
Jun 20	1630	*34	*1.80

Minimum discharge, 0.40 ft³/s, Oct. 24, Feb. 7, gage height, 0.91 ft.

01422389 COULTER BROOK NEAR BOVINA CENTER, NY—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009
DAILY MEAN VALUES

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	1.7	2.9	1.5	2.7	0.47	2.5	2.7	0.89	2.1	---	---	---
2	1.6	3.0	1.6	e2.2	0.46	2.2	2.2	0.93	1.7	---	---	---
3	1.4	3.3	1.5	e1.8	0.46	e1.7	2.9	0.84	1.4	---	---	---
4	1.2	3.3	1.5	e1.6	0.45	e1.4	4.8	0.81	1.2	---	---	---
5	1.1	4.4	1.3	e1.4	0.43	e1.2	3.9	0.79	1.1	---	---	---
6	0.98	4.1	1.2	e1.2	0.43	e1.1	3.3	0.86	0.99	---	---	---
7	0.91	3.3	1.2	e1.4	0.44	2.0	3.0	0.83	0.85	---	---	---
8	0.86	2.7	1.2	e1.3	0.62	4.1	2.7	0.82	0.77	---	---	---
9	0.85	2.3	1.0	e1.1	0.49	15	2.3	0.93	0.94	---	---	---
10	0.78	2.0	3.2	e1.2	0.51	12	2.1	0.99	0.76	---	---	---
11	0.70	1.7	5.2	e1.0	0.71	8.2	1.9	1.1	0.73	---	---	---
12	0.64	1.6	11	e0.89	1.6	5.3	1.7	1.1	0.82	---	---	---
13	0.62	1.5	6.6	e0.83	1.7	3.7	1.6	1.0	1.1	---	---	---
14	0.59	1.4	4.3	e0.79	1.6	2.9	1.5	1.1	1.6	---	---	---
15	0.57	1.6	4.0	e0.75	1.5	2.3	1.3	1.0	3.6	---	---	---
16	0.65	2.2	4.8	e0.71	1.4	2.0	1.2	1.4	5.7	---	---	---
17	0.56	2.4	4.5	e0.68	1.5	1.8	1.1	2.7	4.7	---	---	---
18	0.53	2.2	3.5	e0.76	1.3	1.9	1.1	3.0	7.0	---	---	---
19	0.50	2.0	2.8	e0.69	1.2	2.5	1.0	2.4	6.1	---	---	---
20	0.49	1.7	2.4	e0.59	e1.1	2.6	0.97	1.9	8.9	---	---	---
21	0.51	1.6	2.1	e0.56	1.1	2.2	0.99	1.6	12	---	---	---
22	0.50	1.4	1.8	e0.54	0.97	1.9	0.94	1.4	8.6	---	---	---
23	0.43	1.3	1.6	e0.52	0.92	1.6	0.94	1.2	5.7	---	---	---
24	0.43	1.2	2.2	e0.50	0.88	1.5	0.90	1.1	3.9	---	---	---
25	2.3	1.2	3.3	e0.48	0.86	1.3	0.90	0.94	2.9	---	---	---
26	5.4	1.0	2.7	e0.47	0.80	1.2	0.92	0.95	2.4	---	---	---
27	4.0	0.93	3.5	e0.47	1.7	1.1	0.91	1.5	2.2	---	---	---
28	3.3	0.87	5.9	e0.50	2.9	1.2	0.91	1.4	1.9	---	---	---
29	2.8	0.82	6.6	0.69	---	2.4	0.90	3.7	1.6	---	---	---
30	2.5	0.82	4.8	0.52	---	4.3	0.89	3.8	1.6	---	---	---
31	2.4	---	3.6	0.49	---	3.3	---	2.8	---	---	---	---
Total	41.80	60.74	102.4	29.33	28.50	98.4	52.47	45.78	94.86	---	---	---
Mean	1.35	2.02	3.30	0.95	1.02	3.17	1.75	1.48	3.16	---	---	---
Max	5.4	4.4	11	2.7	2.9	15	4.8	3.8	12	---	---	---
Min	0.43	0.82	1.0	0.47	0.43	1.1	0.89	0.79	0.73	---	---	---
Cfsm	1.77	2.66	4.35	1.24	1.34	4.18	2.30	1.94	4.16	---	---	---
In.	2.05	2.97	5.01	1.44	1.40	4.82	2.57	2.24	4.64	---	---	---

01422389 COULTER BROOK NEAR BOVINA CENTER, NY—Continued

